

Appln. No. 09/627,741
Amdt. dated July 16, 2003
Reply to Office action of April 17, 2003

Docket No. FR9-1999-0108-US1

Official

7/16/03

AMENDMENTS TO THE SPECIFICATION

Please replace the second paragraph on page 1 which begins with "A Personal Digital Assistant" with the following paragraph:

a1
A Personal Digital Assistant which is a simple and small device fitting in the pocket, combines the portability of the traditional day planner with the connectivity of a Personal Information Manager (PIM) providing a day planner in a computer. The PDA does a lot more than keeping a schedule up-to-date. ~~It Rather, the PDA can~~ share data, write notes, schedule meetings, track expenses, or compose e-mail, and play all sorts of games. ~~It is possible to~~ The PDA further can sync it up to with a desktop computer so that it is not necessary to duplicate data entry efforts.

Please replace the second paragraph on page 2 which begins with "Instead of web surfing" with the following paragraph:

a2
Instead of web surfing, the PDA can use another alternative ~~called~~ technique known as web clipping. When web clipping, the extraneous parts of the browsing process are extracted in an effort to minimize power usage and storage requirements. This technique ~~also needs~~ requires partnering with an array of contents providers, which ~~will~~ must design special query pages ~~that will~~ for shipment with the PDA. These pages ~~will be~~ are smaller (clipped) versions of pages which are available on regular web sites and they will enable the device to send and receive the smallest possible amount of data.

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Please replace the first paragraph on page 3 which begins with "Accordingly, the main object" with the following paragraph:

A3
Accordingly, the main object of the invention is to provide a system enabling a PDA user to receive ~~get on the~~ within the PDA any up-to-date information from teh web that has been selected directly by the user.

Please replace the second paragraph on page 3 which begins with "Another object of the invention" with the following paragraph:

A4
Another object of the invention is to provide a system for getting-retrieving data from the web in order to ~~show them display~~ the retrieved data ~~on a~~ in the PDA and more particularly for defining screen positions in the PDA with ~~taking~~ defined data areas from web pages ~~assigned to define screen positions on the PDA~~.

Please replace the second full paragraph on page 4 which begins with "The wireless gateway 12" with the following paragraph:

A5
The wireless gateway 12 is used to enter a WAN such as Internet network 14. It may be linked to all servers of the network such as servers 16, 18 by the intermediary of a portal PDA server 20. The custom portal PDA server 20 may be contacted from any workstation 22 couple to the web. Access to the custom portal PDA server 20 can include ~~having access to the web with, if necessary, some~~ secure access such as

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login, ~~and password, or or thanks to a certificate~~ services included within the workstation 22. It is also a method of the invention to ~~take use~~ coordinates from a GPS device linked or integrated into the PDA to request a ~~MAP~~ for map of the area from where the user is ~~er~~-routing information. Notably, ~~t~~The coordinates may ~~be also be~~ given in some areas by ~~the a~~ wireless phone carrier which can correlate level of signals from different BTS stations and can produce ~~give~~ an approximate position of the calling device.

Please replace the third paragraph on page 5 which begins with "The handling means" with the following paragraph:

ale

The handling means of the portal server 20 comprises a portal back server 36 and a portal real time (RT) server 38. The function of the portal back server 36 is to update regularly the view field of data base 34 in order to provide a faster download when a PDA portal browser 40 (in PDA 10) or a PC portal browser 42 (in workstation 22) requests a portal page. Email, metaee information, and news do not require ~~need really~~ a Real time view and may be pre-stored by regular updates on to the portal database 34. In order to achieve the foregoing that, the portal back server 36 acts as a background task which analyzes all elements within the database 34 and updates fields being-set for regular refresh with a period defined so as to maintain an updated database. Other information such as stocks values need require real time updates and, consequently, can be ~~are-requested from to~~ the source web server by the portal RT server 38 when a portal browser activates the request. When the portal RT server 38

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receives a request to download a portal page, ~~it~~the portal RT server 38 first can look at
the portal database 34 and it can directly takes directly-view fields from the portal
database 34 which have been updated by the portal back server 36. Additionally, the
portal RT server 38 can ~~and~~ starts the download of these view fields to the requesting
browser. In parallel, real-time defined fields can initiate start contact of with related
URLs (web pages) to get the corresponding fields which are then downloaded to the
requesting browser. This page loading mechanism can accelerate speeds up the
downloading and appearance of data on the browser screen as this method differs from
the classical web page browsing that put-downloads data as the data appears in order
in an HTML order document.

Please replace the second full paragraph on page 6 which begins with "Figure 4A.
is a" with the following paragraph:

an

Figure 4A is a schematic illustration of the information displayed on PDA 10. All of the
fields that were defined on the user web portal view are available except for the
advertising field 48 which is not necessary on this screen, but which can be called using
its reference number on another screen. Assuming that the PDA has ~~a separate input~~
and output ~~area~~fields, the search area 46 from the web portal view is moved ~~on to~~ to the
input field which creates a search area 56. The other areas ~~are~~ can be put-placed in the
output field including Stocks 58, E-mail 60, Weather forecast 62 and news 64. Each of
these fields may be selected for viewing to be alone on the screen either by selecting
the field it by the pen of the PDA, or otherwise identifying by giving its identification on

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the input field depending upon the capabilities of the PDA capabilities. By presenting a field for viewing alone, it allows to get more details regarding the field can be provided, or to select a special sub-field can be selected in this area the field. As an example, This is the case when selecting news 64, which will open the screen illustrated in Figure 4B with only the news 64 in full screen mode. The input area in that case which contains the search input field 56 can perform a search on the news. The process explaining how further information is shown is detailed in the following description. The behavior of the PDA can be simulated on the portal server using a normal web browser. A web page will further can demonstrate the operability of show the PDA screen and buttons. Moreover, and by using the mouse instead of the pen, it can be verified that the constructed fields definition made are working fine as designed.

Please replace the final paragraph on page 7 which begins with "Note that the following" with the following paragraph:

Note that the following items are stored in database 34 of the portal server: the URL location and page, the field position, the last HTML page viewed as a reference for identifying modifications onto this HTML page, the positioning of this field in PC mode and PDA mode including the size, the conversion mode, refresh mode and parameters, the field value itself if not included within the HTML -such as a figure, and the actions allowed on this field in PDA mode such as open separately, input fields, scrolling, and numbering. For each field, templates are defined or the user can copy an existing field

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configuration that matches its requirement. In this way, -and change- only the URL location, field position and size need be changed.

Please replace the first full paragraph on page 8 which begins with "The database 34 is either refreshed" with the following paragraph:

ah
The database 34 is either refreshed based upon HTML Information included in the source page, or based upon a refresh period defined by the user, or when a browser is activated from the PDA onto the source page. This refresh ~~mode-period~~ may be defined only when the PDA is connected ~~only-or~~ the period may be defined permanently without regard to the connection of the PDA. It is also possible to store the current field value if the refresh is only performed at the user's request. In this case, This speeds up the page presentation ~~in the PDA can be accelerated as no contact to-with~~ source web pages ~~is-will be required when this field is sent to the PDA. The refreshing of the source page only on demand by the user~~ It also avoids the requirement of sending an update when in fact there is no real change since the last update. Finally, the refreshing of the source page only on demand by the user -and will save bandwidth. In this regard, tThe portal server acts as a web cache and converter dedicated for each user. All specific fields of a portal page are then refereshed as if a connection is established ~~on-with~~ each of the related web pages upon a user request or upon a defined refresh action within the database.

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Please replace the second paragraph on page 9 which begins with "After that, the user may view" with the following paragraph:

ad After that, the user may view its homepage (step 82) and the user either can ~~is then~~
~~able either to look at view~~ predefined pages and fields which were defined ~~thanks owing~~
to the PC browser mode as described in Figure 5 and corresponding to the "no" answer
to new field question (step 84), or the user can link itself to other URL locations (step
86) to select additional fields from a text browsing mode (step 88). In this case, the user
can select and copy words or lines on its text browsing mode. This information is
pasted into a search field ~~into the~~ portal server which will perform the actions described
at steps 72 and 74 in Figure 5. At the end of the conversion, the portal server appends
this field to the last defined user page or onto a new page if there is not enough room
for this field on the last one. The PDA user can use this field in this mode and
eventually can perform a copy and paste onto an existing PDA page. If a new page is
created, on top of this new field, the user can copy and then paste any existing fields
found on the other user pages.